

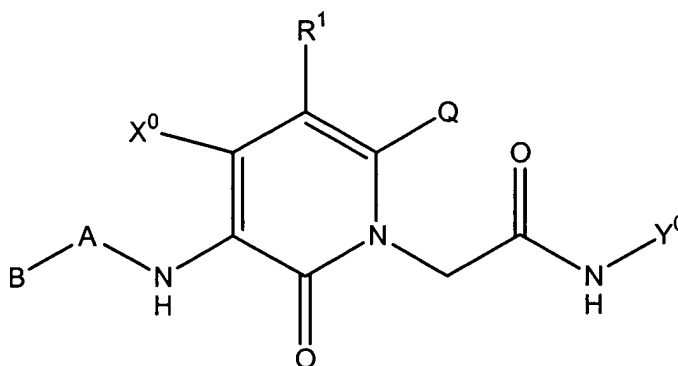
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AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 62 (previously presented): A compound having the formula:



or a pharmaceutically acceptable salt thereof, wherein:

B is selected from the group consisting of hydrido, C2-C8 alkyl, C3-C8 alkenyl, C3-C8 alkynyl, and C2-C8 haloalkyl, wherein each member of group B is optionally substituted at any carbon up to and including 6 atoms from the point of attachment of B to A with one or more of the group consisting of R³², R³³, R³⁴, R³⁵ and R³⁶;

R³², R³³, R³⁴, R³⁵ and R³⁶ are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkoxy, hydroxy, amino, alkoxyamino, alkylamino, alkylthio, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboalkoxy, carboxy, carboxamido, cyano, and Q^b;

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A is selected from the group consisting of a single covalent bond and $(\text{CH}(\text{R}^{15}))_{\text{pa}}-(\text{W}^7)_{\text{rr}}$ wherein rr is an integer selected from 0 through 1, pa is an integer selected from 0 through 3, and W^7 is $\text{N}(\text{R}^7)$;

R^7 is selected from the group consisting of hydrido and alkyl;

R^{15} is selected from the group consisting of hydrido, halo, alkyl, and haloalkyl;

R^1 and X^0 are independently selected from the group consisting of hydrido, hydroxy, hydroxyamino, amidino, amino, cyano, hydroxyalkyl, alkoxy, alkyl, alkylamino, aminoalkyl, alkylthio, alkoxyamino, haloalkyl, haloalkoxy, and halo;

Q is selected from the group consisting of aryl and heteroaryl, wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^9 , (b) a ring carbon in a second alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^{13} , (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^9 , is optionally substituted by R^{10} , (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^{13} , is optionally substituted by R^{12} , and (e) a ring carbon, if present, in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R^{10} and R^{12} , respectively, is optionally substituted by R^{11} ;

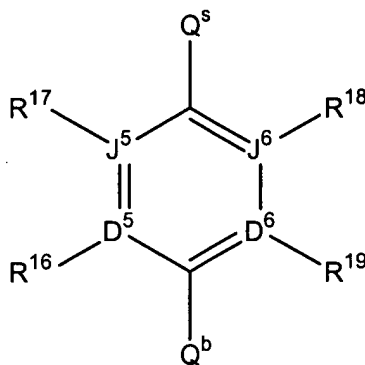
R^9 , R^{11} and R^{13} are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, guanidino, alkylamino, alkylthio, alkoxy, alkylsulfinyl, alkylsulfonyl, amidosulfonyl, monoalkyl amidosulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboxy, carboxamido, and cyano;

R^{10} and R^{12} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, alkoxyamino, aminoalkyl, hydroxy, amino, alkylamino, alkylsulfonamido, amidosulfonyl, monoalkyl amidosulfonyl,

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dialkyl amidosulfonyl, hydroxyalkyl, halo, haloalkyl, carboalkoxy, carboxy, carboxyalkyl, carboxamido, and cyano;

Y^0 is formula (IV):



(IV)

wherein D⁵, D⁶, J⁵, and J⁶ are independently selected from the group consisting of C, N, O, S and a covalent bond with the provisos that no more than one is a covalent bond, no more than one of D⁵, D⁶, J⁵ and J⁶ is O, no more than one of D⁵, D⁶, J⁵ and J⁶ is S, one of D⁵, D⁶, J⁵, and J⁶ must be a covalent bond when two of D⁵, D⁶, J⁵, and J⁶ are O and S, and no more than four of D⁵, D⁶, J⁵, and J⁶ are N, with the provisos that R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are each independently selected to maintain the tetravalent nature of carbon, the trivalent nature of nitrogen, the divalent nature of sulfur, and the divalent nature of oxygen;

R¹⁷ and R¹⁸ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, alkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, and cyano;

R¹⁶ and R¹⁹ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, alkylamino,

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alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, cyano, and Q^b with the proviso that no more than one of R^{16} and R^{19} is Q^b at the same time and that Q^b is Q^{be} ;

Q^b is selected from the group consisting of $NR^{20}R^{21}$, Q^{be} wherein Q^{be} is hydrido, $N(R^{26})C(NR^{25})N(R^{23})(R^{24})$, and $C(NR^{25})NR^{23}R^{24}$;

R^{20} , R^{21} , R^{23} , R^{24} , R^{25} and R^{26} are independently selected from the group consisting of hydrido and alkyl; and

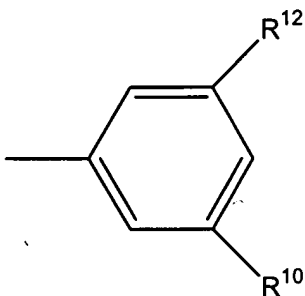
Q^s is CH_2 .

Claim 63 (previously presented): The compound of claim 62 wherein Y^0 is amidinoaralkyl or amidinoheteroaralkyl.

Claim 64 (previously presented): The compound of claim 63 wherein A is a single covalent bond, X^0 is hydrido and R^1 is hydrido or halo.

Claim 65 (previously presented): The compound of claim 64 wherein B is C2-C8 alkyl.

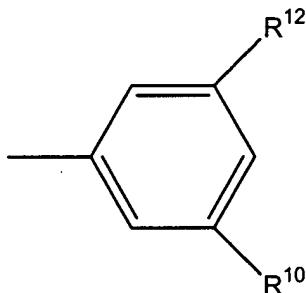
Claim 66 (previously presented): The compound of claim 65 wherein Q is



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and R^{10} and R^{12} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, alkoxyamino, aminoalkyl, hydroxy, amino, alkylamino, alkylsulfonamido, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, hydroxyalkyl, halo, haloalkyl, carboalkoxy, carboxy, carboxyalkyl, carboxamido, and cyano.

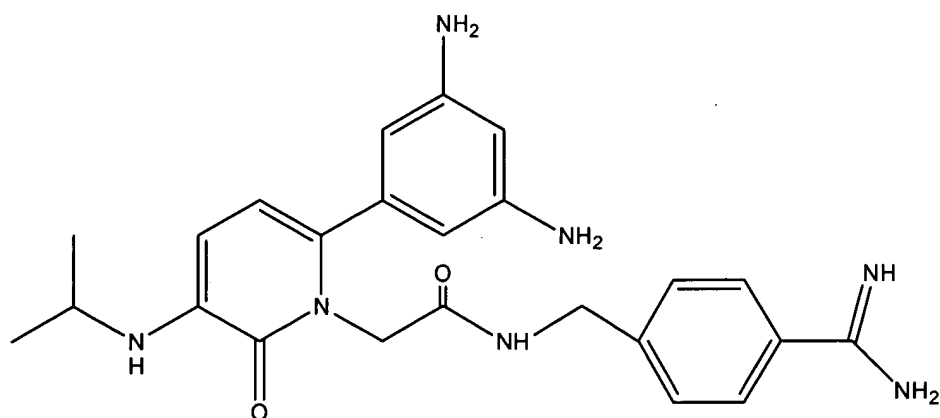
Claim 67 (previously presented): The compound of claim 63 wherein Q is



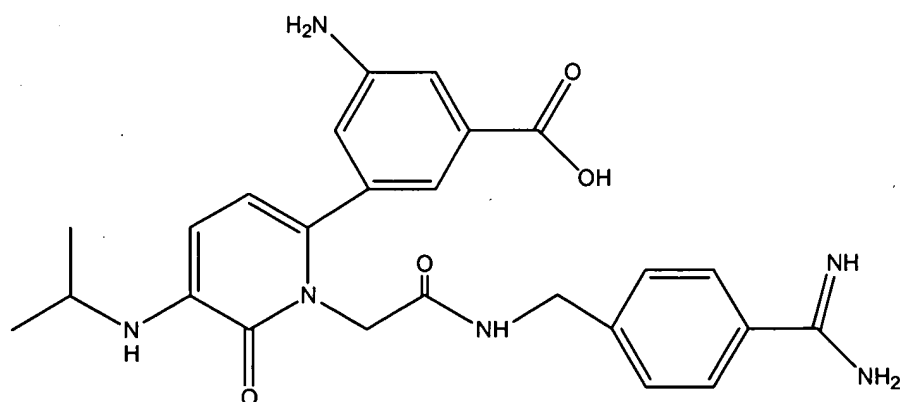
and R^{10} and R^{12} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, alkoxyamino, aminoalkyl, hydroxy, amino, alkylamino, alkylsulfonamido, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, hydroxyalkyl, halo, haloalkyl, carboalkoxy, carboxy, carboxyalkyl, carboxamido, and cyano.

Claim 68 (previously presented): The compound of claim 62 wherein the compound is

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Claim 69 (previously presented): The compound of claim 62 wherein the compound is



Claim 70 (currently amended): The compound of claim 62 wherein Q is 3-amidocarbonyl-5-aminophenyl 3-carboxamido-5-aminophenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

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Claim 71 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-benzylamidocarbonyl)phenyl~~ 3-amino-5-(N-benzylcarboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

Claim 72 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)phenyl~~ 3-amino-5-(N-(2-chlorobenzyl)carboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

Claim 73 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

Claim 74 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(trifluoromethylbenzyl)amidocarbonyl)phenyl~~ 3-amino-5-(N-(trifluoromethylbenzyl)carboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

Claim 75 (previously presented): The compound of claim 62 wherein Q is 3,5-diaminophenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

Claim 76 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxyphenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro and X⁰ is hydrido.

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Claim 77 (currently amended): The compound of claim 62 wherein Q is ~~3-amidocarbonyl-5-aminophenyl~~ 3-carboxamido-5-aminophenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 78 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-benzylamidocarbonyl)phenyl~~ 3-amino-5-(N-benzylcarboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 79 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)phenyl~~ 3-amino-5-(N-(2-chlorobenzyl)carboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 80 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 81 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(trifluoromethylbenzyl)amidocarbonyl)phenyl~~ 3-amino-5-(N-(trifluoromethylbenzyl)carboxamido)phenyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 82 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is (S)-2-butyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

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Claim 83 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is ethyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 84 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is 2-propenyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 85 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is isopropyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 86 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is 2-butyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 87 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is (R)-2-butyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 88 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is 3-pentyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

Claim 89 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is tert-butyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is hydrido and X^0 is hydrido.

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Claim 90 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is butyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido and X⁰ is hydrido.

Claim 91 (currently amended): The compound of claim 62 wherein Q is ~~3-amidocarbonyl-5-amino-2-thienyl~~ 3-carboxamido-5-amino-2-thienyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro or hydrido and X⁰ is hydrido.

Claim 92 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-benzylamidocarbonyl)-2-thienyl~~ 3-amino-5-(N-benzylcarboxamido)-2-thienyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro or hydrido and X⁰ is hydrido.

Claim 93 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)-2-thienyl~~ 3-amino-5-(N-(2-chlorobenzyl)carboxamido)-2-thienyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro or hydrido and X⁰ is hydrido.

Claim 94 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)-2-thienyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro or hydrido and X⁰ is hydrido.

Claim 95 (currently amended): The compound of claim 62 wherein Q is ~~3-amino-5-(N-(trifluoromethylbenzyl)amidocarbonyl)-2-thienyl~~ 3-amino-5-(N-(trifluoromethylbenzyl)carboxamido)-2-thienyl, B is 2-propyl, A is a single bond, Y⁰ is 4-amidinobenzyl, R¹ is chloro or hydrido and X⁰ is hydrido.

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Claim 96 (previously presented): The compound of claim 62 wherein Q is 3,5-diamino-2-thienyl, B is 2-propyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is chloro or hydrido and X^0 is hydrido.

Claim 97 (previously presented): The compound of claim 62 wherein Q is 3-amino-5-carboxy-2-thienyl, B is 2-propyl, A is a single bond, Y^0 is 4-amidinobenzyl, R^1 is chloro or hydrido and X^0 is hydrido.